

## Contents

Apirion, D., s. Wittmann, H. G. . . . .	331
Apontoweil, P., Berends, W.: Mapping of <i>gahA</i> , a Gene for Biosynthesis of Glutathione in <i>Escherichia coli</i> K12 . . . . .	91
Barth, P. T., s. Hedges, R. W., <i>et al.</i> . . . .	263
Berends, W., s. Apontoweil, P. . . . .	91
Berger, I., Geyl, D., Böck, A., Stöffler, G., Wittmann, H. G.: Localized Mutagenesis of the <i>aroE-strA</i> Section of <i>Escherichia coli</i> Chromosome Coding for Ribosomal Proteins . . . . .	207
Birky, C. W., Jr.: Zygote Heterogeneity and Uniparental Inheritance of Mitochondrial Genes in Yeast . . . . .	41
Blamire, J.: The Mating Reaction in Yeast. II. Spontaneous Occurrence of Omni-mating Types (Short Communication) . . . . .	185
Blumenthal, T., s. DuBow, M. S. . . . .	113
Böck, A., s. Berger, I., <i>et al.</i> . . . .	207
Böck, A., s. Wittmann, H. G., <i>et al.</i> . . . .	317
Böhme, H., s. Hofemeister, J. . . . .	147
Bové, J. M., s. Renaudin, J., <i>et al.</i> . . . .	59
Braslavskaya, O. Yu., s. Gvozdev, V. A., <i>et al.</i> . . . .	269
Brimacombe, R., s. Möller, K. . . . .	343
Casse, F., s. Pascal, M.-C., <i>et al.</i> . . . .	173
Casse, F., s. Varenne, S., <i>et al.</i> . . . .	181
Chippaux, M., s. Pascal, M.-C., <i>et al.</i> . . . .	173
Chippaux, M., s. Varenne, S., <i>et al.</i> . . . .	181
Donk, J. A. W. M. van der: Recognition and Gene Expression during the Incompatibility Reaction in <i>Petunia hybrida</i> L. . . . .	305
DuBow, M. S., Blumenthal, T.: Host Factor for Coliphage Q $\beta$ RNA Replication is Present in <i>Pseudomonas putida</i> . . . . .	113
Dubrovskaya, E. S., s. Gvozdev, V. A., <i>et al.</i> . . . .	269
Emmerson, P. T., s. West, S. C., <i>et al.</i> . . . .	1
Fischbach, K. F., Spatz, H. Ch., Klotz, G.: A Quantitative Theory of Transfection in <i>B. subtilis</i> . . . . .	121
Fox, M. S., s. White, R. L. . . . .	163
Ganesan, A. K., Seawell, P. C.: The Effect of <i>lexA</i> and <i>recF</i> Mutations on Post-replication Repair and DNA Synthesis in <i>Escherichia coli</i> K-12. . . . .	189
Gerasimova, T. I., s. Gvozdev, V. A., <i>et al.</i> . . . .	269
Geyl, D., s. Berger, I., <i>et al.</i> . . . .	207
Geyl, D., s. Wittmann, H. G., <i>et al.</i> . . . .	317
Gostimsky, S. A., s. Gvozdev, V. A., <i>et al.</i> . . . .	269
Grinter, N. J., s. Hedges, R. W., <i>et al.</i> . . . .	263
Gvozdev, V. A., Gostimsky, S. A., Gerasimova, T. I., Dubrovskaya, E. S., Braslavskaya, O. Yu.: Fine Genetic Structure of the 2D3-2F5 Region of the X-chromosome of <i>Drosophila melanogaster</i> . . . . .	269
Hall, R. M., s. Nagley, P., <i>et al.</i> . . . .	291
Hedges, R. W., Jacob, A. E., Barth, P. T., Grinter, N. J.: Compatibility Properties of P1 and $\Phi$ AMP Prophages . . . . .	263
Hofemeister, J., Böhme, H.: DNA Repair in <i>Proteus mirabilis</i> . III. Survival, Dimer Excision, and UV Reactivation in Comparison with <i>Escherichia coli</i> K12 . . . . .	147
Jacob, A. E., s. Hedges, R. W., <i>et al.</i> . . . .	263
Jaskunas, S. R., s. Saedler, H., <i>et al.</i> . . . .	85
Kakimoto, S., s. Toh-e, A., <i>et al.</i> . . . .	81
Kellerman, G. M., s. Trembath, M. K., <i>et al.</i> . . . .	9
Klotz, G., s. Fischbach, K. F., <i>et al.</i> . . . .	121

Klotz, G., s. Scherzinger, E. . . . .	233
Kubai, D. F., s. Saedler, H., <i>et al.</i> . . . .	85
Lepelletier, M., s. Pascal, M.-C., <i>et al.</i> . . . .	173
Linnane, A. W., s. Nagley, P., <i>et al.</i> . . . .	291
Linnane, A. W., s. Trembath, M. K., <i>et al.</i> . . . .	9
Matsubara, K., s. Nishimoto, T. . . . .	357
Mattick, J. S., s. Nagley, P., <i>et al.</i> . . . .	291
Möller, K., Brimacombe, R.: Specific Cross-linking of Proteins S7 and L4 to Ribosomal RNA, by UV Irradiation of <i>Escherichia coli</i> Ribosomal Subunits . . . . .	343
Monk, B. C., s. Trembath, M. K., <i>et al.</i> . . . .	9
Nagley, P., Mattick, J. S., Hall, R. M., Linnane, A. W.: Biogenesis of Mitochondria. 43. A Comparative Study of Petite Induction and Inhibition of Mitochondrial DNA Replication in Yeast by Ethidium Bromide and Berenil . . . . .	291
Nakamura, Y., Yura, T.: Hyperproduction of the Sigma Subunit of RNA Polymerase in a Mutant of <i>Escherichia coli</i> . . . . .	97
Nishimoto, T., Matsubara, K.: Isolation and Properties of a Conditionally Lethal Bacteriophage $\lambda$ Mutated in the $\alpha$ Region . . . . .	357
Nomura, M., s. Saedler, H., <i>et al.</i> . . . .	85
Oshima, Y., s. Toh-e, A., <i>et al.</i> . . . .	81
Otsuki, Y., s. Renaudin, J., <i>et al.</i> . . . .	59
Pascal, M.-C., Casse, F., Chippaux, M., Lepelletier, M.: Genetic Analysis of Mutants of <i>Escherichia coli</i> K12 and <i>Salmonella typhimurium</i> LT2 Deficient in Hydrogenase Activity . . . . .	173
Pascal, M.-C., s. Varenne, S., <i>et al.</i> . . . .	181
Powell, K. A., s. West, S. C., <i>et al.</i> . . . .	1
Renaudin, J., Bové, J. M., Otsuki, Y., Takebe, I.: Infection of Brassica Leaf Protoplasts by Turnip Yellow Mosaic Virus . . . . .	59
Ripley, L. S.: Transversion Mutagenesis in Bacteriophage T4 . . . . .	23
Rowlands, R. T., Turner, G.: Three-Marker Extranuclear Mitochondrial Crosses in <i>Aspergillus nidulans</i> . . . . .	69
Saedler, H., Kubai, D. F., Nomura, M., Jaskunas, S. R.: IS1 and IS2 Mutations in the Ribosomal Protein Genes of <i>E. coli</i> K-12 (Short Communication) . . . . .	85
Scherzinger, E., Klotz, G.: Studies on Bacteriophage T7 DNA Synthesis <i>in vitro</i> . II. Reconstitution of the T7 Replication System Using Purified Proteins . . . . .	233
Scherzinger, E., Seiffert, D.: Studies on Bacteriophage T7 DNA Synthesis <i>in vitro</i> . I. Resolution of the T7 Replication System into Its Components . . . . .	213
Seawell, P. C., s. Ganesan, A. K. . . . .	189
Seiffert, D., s. Scherzinger, E. . . . .	213
Siegel, E. C., s. Vaccaro, K. K. . . . .	251
Smolin, D. E., Umbarger, H. E.: Specificity of the Stimulation of <i>in vitro</i> Ribonucleic Acid Synthesis by Guanosine 5'-diphosphate 3'-diphosphate . . . . .	277
Spatz, H. Ch., s. Fischbach, K. F., <i>et al.</i> . . . .	121
Stöffler, G., s. Berger, I., <i>et al.</i> . . . .	207
Stöffler, G., s. Wittmann, H. G., <i>et al.</i> . . . .	317
Takebe, I., s. Renaudin, J., <i>et al.</i> . . . .	59
Toh-e, A., Kakimoto, S., Oshima, Y.: Two New Genes Controlling the Constitutive Acid Phosphatase Synthesis in <i>Saccharomyces cerevisiae</i> (Short Communication) . . . . .	81
Trembath, M. K., Monk, B. C., Kellerman, G. M., Linnane, A. W.: Biogenesis of Mitochondria 36. The Genetic and Biochemical Analysis of a Mitochondrially Determined Cold Sensitive Oligomycin Resistant Mutant of <i>Saccharomyces cerevisiae</i> with Affected Mitochondrial ATPase Assembly . . . . .	9
Turner, G., s. Rowlands, R. T. . . . .	69
Umbarger, H. E., s. Smolin, D. E. . . . .	277
Vaccaro, K. K., Siegel, E. C.: Increased Spontaneous Reversion of Certain Frameshift Mutations in DNA Polymerase I Deficient Strains of <i>Escherichia coli</i> . . . . .	251
Varenne, S., Casse, F., Chippaux, M., Pascal, M.-C.: A Mutant of <i>Escherichia coli</i> Deficient in Pyruvate Formate Lyase . . . . .	181

## Contents

v

Waxman, M. F.: The Restriction of the Recombination of Mitochondrial DNA Molecules in the Zygotes of <i>Saccharomyces cerevisiae</i> . . . . .	285
West, S. C., Powell, K. A., Emmerson, P. T.: <i>recA</i> <sup>+</sup> -dependent Inactivation of the Lambda Repressor in <i>Escherichia coli</i> Lysogens by $\gamma$ -Radiation and by <i>tif</i> Expression . . . . .	1
White, R. L., Fox, M. S.: Genetic Consequences of Transfection with Heteroduplex Bacteriophage $\lambda$ DNA . . . . .	163
Wittmann, H. G., Apirion, D.: Analysis of Ribosomal Proteins in Streptomycin Resistant and Dependent Mutants Isolated from Streptomycin Independent <i>Escherichia coli</i> Strains . . . . .	331
Wittmann, H. G., Stöffler, G., Geyl, D., Böck, A.: Alteration of Ribosomal Proteins in Revertants of a Valyl-tRNA Synthetase Mutant of <i>Escherichia coli</i> . . . . .	317
Wittmann, H. G., s. Berger, I., <i>et al.</i> . . . . .	207
Yura, T., s. Nakamura, Y. . . . .	97
Erratum . . . . .	90

Indexed in Current Contents



